Section II - Soil and Site Information

Hydric Soil Interpretations For

Definition of Hydric Soil

A hydric soil is a soil that is saturated, flooded, or ponded long enough during the growing season to develop anaerobic conditions in the upper part. The following criteria reflect those soils that meet this definition.

Wetlands represent the collection of aquatic or semi aquatic habitats commonly referred to as marshes, swamps, and bogs. The U.S. Natural Resources Conservation Service, U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers and the U.S. Environmental Protection Agency define wetlands by the presence of wetland vegetation (hydrophytes) and hydrology (degree of flooding and/or soil saturation) and by reference to wet soils (hydric soils). The prevalence of hydrophytes and the presence of wet soil reflect the long-term hydrology and therefore, are useful indicators of wetland. Some of the benefits of wetlands include, waterfowl breeding, habitat for waterfowl and other birds, flood control, water quality, shoreline stabilization and others.

If wetlands are identified as a critical resource, then a good first step would be to inventory the extent of hydric soils that were mapped in a soil survey.

It is important to remember that because of map scale very small areas of hydric soils are often not shown on the soil survey. The soil survey provides a general location of hydric soils; however, it is necessary that the exact wetland boundary be located in the field. When the boundary is not clear, consult with technical experts. The publications Hydric soils of New England and Federal Manual for Identifying and Delineating Jurisdictional Wetlands provide a more detailed discussion on hydric soils as well as on-site identification of wetland boundaries. Other sources of wetland information are the U.S. Fish and Wildlife Service, National Wetland Inventory Maps and the Maine Department of Environmental Protection Inland Wetland Maps.

Hydric Soil List

Hydric soils are developed under conditions sufficiently wet to support the growth and regeneration of hydrophytic vegetation. The listing available below includes phases of soil series that may or may not have been drained. Some soil series, designated as hydric, have phases that are not hydric depending on water table, flooding, and ponding characteristics.

The list will have a number of agricultural and nonagricultural applications. These include assistance in land-use planning, conservation planning, and assessment of potential wildlife habitat. An area that meets the hydric soil criteria must also meet the hydrophytic vegetation and wetland hydrology criteria in order for it to be classified as a jurisdictional wetland (See the "Corps of Engineers Wetlands Delineation Manual", 1987).

Hydric Soils List

York County, Maine

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation.

Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Soils Criteria			
				Hydric Criteria Code	Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
AdB: Adams loamy sand, 0 to 8 percent slopes	Adams	No	---	---	---	---	---
AdC: Adams loamy sand, 8 to 15 percent slopes	Adams	No	---	---	---	---	---
AdD: Adams loamy sand, 15 to 40 percent slopes	Adams	No	---	---	---	---	---
AgB: Adams-urban land complex, 0 to 8 percent slopes	Adams	No	---	---	---	---	---
	Urban Land	No	---	---	---	---	---
AlB: Allagash very fine sandy loam, 3 to 8 percent slopes	Allagash	No	---	---	---	---	---
AlC: Allagash very fine sandy loam, 8 to 15 percent slopes	Allagash	No	---	---	---	---	---
Ba: Beaches	Beaches	Yes	Beach	4	No	Yes	No
BcB: Becket fine sandy loam, 3 to 8 percent slopes	Becket	No	---	---	---	---	---
BcC: Becket fine sandy loam, 8 to 15 percent slopes	Becket	No	---	---	---	---	---
BcD: Becket fine sandy loam, 15 to 25 percent slopes	Becket	No	---	---	---	---	---
BeB: Becket very stony fine sandy loam, 3 to 8 percent	Becket	No	---	---	---	---	---
BeC: Becket very stony fine sandy loam, 8 to 15 percent	Becket	No	---	---	---	---	---
BeD: Becket very stony fine sandy loam, 15 to 25 percent slo pes	Becket	No	---	---	---	---	---
Bm: Biddeford mucky peat	Biddeford	Yes	Marine Terrace	2B3,3	Yes	No	Yes

Hydric Soils List - Continued

York County, Maine

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Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Soils Criteria			
				Hydric Criteria Code	Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
BrB: Brayton and westbury fine sandy loams, 0 to 8 percent slopes	Brayton	Yes	Ground Moraine	2B3	Yes	No	No
	Westbury	No	---	---	---	---	---
BsB: Brayton and westbury very stony fine sandy loams, 0 to 8 percent slopes	Brayton	Yes	Ground Moraine	2B3	Yes	No	No
	Westbury	No	---	---	---	---	---
BuB: Buxton silt loam, 3 to 8 percent slopes	Buxton	No	---	---	---	---	---
BuC: Buxton silt loam, 8 to 15 percent slopes	Buxton	No	---	---	---	---	---
BuD: Buxton silt loam, 15 to 25 percent slopes	Buxton	No	---	---	---	---	---
Ch: Chocorua peat	Chocorua	Yes	Swamp	1,3	No	No	Yes
CoB: Colton gravelly loamy coarse sand, 0 to 8 percent	Colton	No	---	---	---	---	---
CoC: Colton gravelly loamy coarse sand, 8 to 15	Colton	No	---	---	---	---	---
CoD: Colton gravelly loamy coarse sand, 15 to 25	Colton	No	---	---	---	---	---
CoE: Colton gravelly loamy coarse sand, 25 to 45	Colton	No	---	---	---	---	---
CrB: Croghan loamy sand, 0 to 8 percent slopes	Croghan	No	---	---	---	---	---
CuB: Croghan-urban land complex, 0 to 8 percent slopes	Croghan	No	---	---	---	---	---
	Urban Land	No	---	---	---	---	---
Dm: Dumps	Dumps	No	---	---	---	---	---

Hydric Soils List - Continued

York County, Maine

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Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Soils Criteria			
				Hydric Criteria Code	Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
EmB: Elmwood fine sandy loam, 0 to 8 percent slopes	Elmwood	No	---	---	---	---	---
EmC: Elmwood fine sandy loam, 8 to 15 percent slopes	Elmwood	No	---	---	---	---	---
HeB: Hermon fine sandy loam, 3 to 8 percent slopes	Hermon	No	---	---	---	---	---
HeC: Hermon fine sandy loam, 8 to 15 percent slopes	Hermon	No	---	---	---	---	---
HeD: Hermon fine sandy loam, 15 to 25 percent slopes	Hermon	No	---	---	---	---	---
HmB: Hermon very stony fine sandy loam, 3 to 8 percent slope s	Hermon	No	---	---	---	---	---
HmC: Hermon very stony fine sandy loam, 8 to 15 percent slopes	Hermon	No	---	---	---	---	---
HmD: Hermon very stony fine sandy loam, 15 to 25 percent slo pes	Hermon	No	---	---	---	---	---
HnC: Hermon extremely stony fine sandy loam, 3 to 15 percent slopes	Hermon	No	---	---	---	---	---
HnE: Hermon extremely stony fine sandy loam, 15 to 60 percent slopes	Hermon	No	---	---	---	---	---
LnB: Lyman fine sandy loam, 3 to 8 percent slopes	Lyman	No	---	---	---	---	---
LnC: Lyman fine sandy loam, 8 to 15 percent slopes	Lyman	No	---	---	---	---	---
LnD: Lyman fine sandy loam, 15 to 25 percent slopes	Lyman	No	---	---	---	---	---

Hydric Soils List - Continued

York County, Maine

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Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Soils Criteria			
				Hydric Criteria Code	Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
LyB: Lyman-rock outcrop complex, 3 to 8 percent slopes	Lyman	No	---	---	---	---	---
	Rock Outcrop	No	---	---	---	---	---
LyC: Lyman-rock outcrop complex, 8 to 15 percent slopes	Lyman	No	---	---	---	---	---
	Rock Outcrop	No	---	---	---	---	---
LyE: Lyman-rock outcrop complex, 15 to 80 percent slopes	Lyman	No	---	---	---	---	---
	Rock Outcrop	No	---	---	---	---	---
MaB: Madawaska fine sandy loam, 0 to 8 percent slopes	Madawaska	No	---	---	---	---	---
MrB: Marlow fine sandy loam, 3 to 8 percent slopes	Marlow	No	---	---	---	---	---
MrC2: Marlow fine sandy loam, 8 to 15 percent slopes, eroded	Marlow	No	---	---	---	---	---
MrD2: Marlow fine sandy loam, 15 to 25 percent slopes, eroded	Marlow	No	---	---	---	---	---
MvB: Marlow very stony fine sandy loam, 3 to 8 percent	Marlow	No	---	---	---	---	---
MvC: Marlow very stony fine sandy loam, 8 to 15 percent	Marlow	No	---	---	---	---	---
MvD: Marlow very stony fine sandy loam, 15 to 25	Marlow	No	---	---	---	---	---
Na: Naumburg sand	Naumburg	Yes	---	---	---	---	---
On: Ondawa fine sandy loam	Ondawa	No	---	---	---	---	---
PeB: Peru fine sandy loam, 0 to 8 percent slopes	Peru	No	---	---	---	---	---

Hydric Soils List - Continued

York County, Maine

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Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Soils Criteria			
				Hydric Criteria Code	Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
Pg: Pits, gravel	Pits	No	---	---	---	---	---
Po: Podunk and winooski soils	Podunk	No	---	---	---	---	---
	Winooski	No	---	---	---	---	---
Ra: Raynham silt loam	Raynham	Yes	Marine Terrace	2B3	Yes	No	No
RoC: Rock outcrop-lyman complex, 8 to 15 percent slopes	Rock Outcrop	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---
RoE: Rock outcrop-lyman complex, 15 to 80 percent slopes	Rock Outcrop	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---
Ru: Rumney loam	Rumney	Yes	Flood Plain	2B3	Yes	No	No
Sa: Saco mucky silt loam	Saco	Yes	Flood Plain	2B3,3,4	Yes	Yes	Yes
Sc: Scantic silt loam	Scantic	Yes	Marine Terrace	2B3	Yes	No	No
SeB: Scio silt loam, 3 to 8 percent slopes	Scio	No	---	---	---	---	---
SeC: Scio silt loam, 8 to 15 percent slopes	Scio	No	---	---	---	---	---
SeD: Scio silt loam, 15 to 25 percent slopes	Scio	No	---	---	---	---	---
Sg: Sebago peat	Sebago	Yes	Swamp	1,3	No	No	Yes
SkB: Skerry fine sandy loam, 0 to 8 percent slopes	Skerry	No	---	---	---	---	---
SkC: Skerry fine sandy loam, 8 to 15 percent slopes	Skerry	No	---	---	---	---	---

Hydric Soils List - Continued

York County, Maine

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Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Soils Criteria			
				Hydric Criteria Code	Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
SrB: Skerry very stony fine sandy loam, 0 to 8 percent	Skerry	No	---	---	---	---	---
SrC: Skerry very stony fine sandy loam, 8 to 15 percent	Skerry	No	---	---	---	---	---
Su: Sulfihemists, frequently flooded	Sulfihemists	Yes	Tidal Flat	1,3	No	No	Yes
Ud: Udipsamments-dune land complex	Udipsamments	No	---	---	---	---	---
	Dune Land	No	---	---	---	---	---
Ur: Urban land	Urban Land	No	---	---	---	---	---
UsA: Urban land-scantic complex, 0 to 3 percent slopes	Urban Land	No	---	---	---	---	---
	Scantic	Yes	Marine Terrace	2B3	Yes	No	No
Va: Vassalboro peat	Vassalboro	Yes	Bog	1	No	No	No
Vp: Vassalboro peat, ponded	Vassalboro	Yes	Bog	1,3	No	No	Yes
W: Water bodies	Water	Yes	Lake	---	---	---	---
Wa: Waskish peat	Waskish	Yes	Raised Bog	1	No	No	